

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/802,746	BERRY ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Donghai D. Nguyen	3729	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on June, 06, 2006.
2. ☒ The allowed claim(s) is/are 14-18 and 20-24, renumbered to 1-10.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some\* c) ☐ None of the:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.  
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached  
1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.  
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                      |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                              |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance             |
|   | 9. <input type="checkbox"/> Other _____  |

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with William L. Gates on June 23, 2006.

The application has been amended as follows:

The Claims:

a) Regarding claim 14:

Paragraph: "if no further bases are to be formed, again firing said module including said first base at an elevated temperature greater than said second temperature substantially equivalent to said first cofired temperature to fully sinter all said metal layers in said first base; but b) if other bases in addition to said first base are to be formed, only firing said module at said second temperature to partially sinter said metal layers in said first base" (**claim 14, lines 17-23**) has been changed to: --if other bases in addition to said first base are to be formed; only firing said module at said second temperature to partially sinter said metal layers in said first base; but b) if no further bases are to be formed, again firing said module including said first base at an elevated temperature greater than said second temperature substantially equivalent to said first cofired temperature to fully sinter all said metal layers in said first base--.

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b) Regarding claim 15:

Paragraph: "if no further bases are to be formed, again firing said module at said elevated temperature greater than said second temperature substantially equivalent to said first cofired temperature to fully sinter all said metal layers of said first and second said bases; or b) if further bases are to be formed, only firing said module at said second temperature to partially sinter said metal layers in said first and second bases" (**claim 15, lines 17-23**) has been changed to: --if further bases are to be formed, only firing said module at said second temperature to partially sinter said metal layers in said first and second bases; but b) if no further bases are to be formed, again firing said module at said elevated temperature greater than said second temperature substantially equivalent to said first cofired temperature to fully sinter all said metal layers of said first and second said bases--.

c) Regarding claim 16:

Paragraph: "if no further bases are to be formed, again firing said module at said elevated temperature greater than said second temperature substantially equivalent to said first cofired temperature to fully sinter all said metal layers of said first, second and third said bases; or b) if further bases are to be formed, only firing said module at said second temperature to partially sinter said metal layers in said first, second and third bases" (**claim 16, lines 17-23**) has been changed to: --if further bases are to be formed, only firing said module at said second temperature to partially sinter said metal layers in said first, second and third bases; but b) if no further bases are to be formed, again firing said module at said elevated temperature greater than said second temperature substantially equivalent to said first cofired temperature to fully sinter all said metal layers of said first, second and third bases--.

d) The phrase: "claims 14, 15 or 16" (claims 17 and 18, line 1 of each) has been changed to: --claim 14--.

e) Non-elected claims 1-13 have been canceled.

2. The following is an examiner's statement of reasons for allowance: the claims are allowed as reasons provided from previous Action, i.e., the indicated allowable subject matter has been fully incorporated into each of independent claims 14 and 23 and all formal matter has been overcome by the above Examiner's amendment.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Donghai D. Nguyen whose telephone number is (571)-272-4566. The examiner can normally be reached on Monday-Friday (9:00-6:00).

DN

June 23, 2006

  
**MINH TRINH**  
**PRIMARY EXAMINER**